

APPENDIX A

1. (Amended) A process for producing [upholstery for furniture or automobiles, mattresses, foam backing for carpets,] polyurethane foams [for backfoaming instrument panels or steering wheels or shoe soles based on flexible polyurethane foams by] comprising reacting isocyanates with compounds which are reactive toward isocyanates in the presence of blowing agents and in the presence or absence of catalysts, additives and/or auxiliaries, wherein the reaction is carried out in the presence of at least one of the following compounds (i): an α , β -unsaturated carboxylic acid, an α , β -unsaturated carboxylic acid derivative, an α , β -unsaturated ketone and[/or] an α , β -unsaturated aldehyde.

2. (Amended) A process as claimed in claim 1, wherein the compound (i) [used is] comprises a compound having the formula $R^1R^2 - C = CR^3COR^4$, where

R^1 : H, $C_1 - C_{12}$ - alkyl, or $C_6 - C_{20}$ - aryl,

R^2 : H, $C_1 - C_{12}$ - alkyl, or $C_6 - C_{20}$ - aryl,

R^3 : H, $C_1 - C_{12}$ - alkyl, or $C_6 - C_{20}$ - aryl,

R^4 : H, $C_1 - C_{12}$ - alkyl, or $C_6 - C_{20}$ - aryl, -O - $C_1 - C_{12}$ - alkyl,

-O - $C_1 - C_{12}$ - alkyl - OH, - $C_1 - C_{12}$ - alkyl - OH, -O - $C_1 - C_{12}$ - alkyl,

-O - $C_1 - C_{12}$ - alkyl - NH_2 ,

- $C_1 - C_{12}$ - alkyl - NH_2 , -O-Benzyl, -O-Aryl,

-O - $C_1 - C_{12}$ - alkyl - $COOH$,

-O - $C_1 - C_{12}$ - alkyl - $CH(OH) - CH_2 - O - (CO) - CHCH_2$,

$-O - C_1 - C_{12} - \text{alkyl} - O - (CO) - CHCH_2$, or

$-O - C_1 - C_{12} - \text{alkyl} - CH(OH) - C_1 - C_{12} - \text{alkyl} - O - C_1 - C_{12} - \text{alkyl} -$

$O - C_1 - C_{12} - \text{alkyl} - CH(OH) - CH_2 - O - (CO) - CHCH_2$.

3. (Amended) A process as claimed in claim 1, wherein the compound (i) comprises at least one of acrylic acid, crotonic acid, isocrotonic acid, sorbic acid, fumaric acid, cinnamic acid, hydroxyethyl acrylate, 3-(acryloyl-oxy)-2-hydroxypropyl methacrylate, benzyl cinnamate, trans-3-nonen-2-one, benzalacetone, dibenzalacetone, benzalacetophenone, 1-methylbenzalacetophenone, crotonaldehyde, cinnamaldehyde, methyl vinyl ketone and[/or] an α , β -unsaturated polyester diol prepared by polycondensation of maleic acid, fumaric acid, methacrylic acid and/or acrylic acid with oligomeric diols [such as butanediol, diethylene glycol, propylene glycol or 1,3-propanediol and/or triols such as glycerol and] having a molecular weight factor per double bond of from 150 to 3000, a functionality of from 2 to 6, a hydroxyl number of from 20 to 800 and an acid number of from 0 to 15.

4. (Amended) A process as claimed in claim 1, wherein compound (i) is used in an amount of from 0.01 to 20% by weight, based on the weight of the polyurethane foam.

5. (Amended) [Upholstery for furniture or automobiles, mattresses, foam backing for carpets, polyurethane foams for backfoaming instrument panels or steering wheels or shoes soles based on] A flexible polyurethane foam[s obtainable by] obtained in accordance with a process as claimed in claim 1.

6. (Amended) [Upholstery for furniture or automobiles, mattresses, foam backing for carpets, polyurethane foams for backfoaming instrument panels or steering wheels or

shoes soles based on] A flexible polyurethane foam[s] comprising products of the reaction of primary and/or secondary amines with α , β -unsaturated carboxylic acids, α , β -unsaturated carboxylic acid derivatives, α , β -unsaturated ketones and/or α , β -unsaturated aldehydes.

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